

Patient Education Projects

Patient Education

4-1-2023

Debunking Medical Myths: Ginkgo Biloba + Alzheimer'S Disease

Nitya Deshpande

Wayne State University School of Medicine, gh5126@wayne.edu

Emily Smith

Wayne State University School of Medicine, gh5260@wayne.edu

Mura Abdul-Nabi

Wayne State University School of Medicine, hk1930@wayne.edu

Lukas Biel

Wayne State University School of Medicine, hl5527@wayne.edu

Melissa Elmali

Wayne State University School of Medicine, hm0621@wayne.edu

See next page for additional authors

Follow this and additional works at: https://digitalcommons.wayne.edu/pat_edu_proj



Part of the Curriculum and Instruction Commons, Medical Education Commons, and the Public Health

Commons

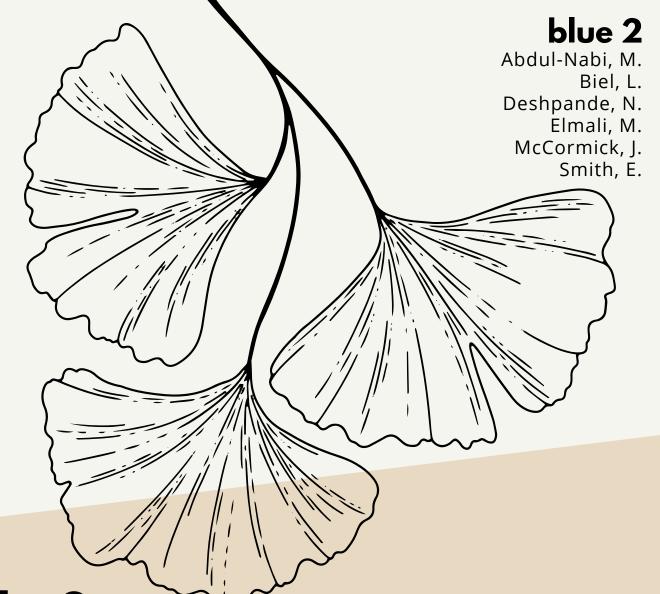
Recommended Citation

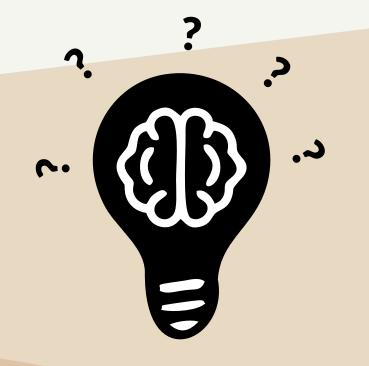
Deshpande, Nitya; Smith, Emily; Abdul-Nabi, Mura; Biel, Lukas; Elmali, Melissa; and Mccormick, Joseph, "Debunking Medical Myths: Ginkgo Biloba + Alzheimer'S Disease" (2023). Patient Education Projects. 575. https://digitalcommons.wayne.edu/pat_edu_proj/575

This Infographic is brought to you for free and open access by the Patient Education at DigitalCommons@WayneState. It has been accepted for inclusion in Patient Education Projects by an authorized administrator of DigitalCommons@WayneState.

Authors Nitya Deshpande,	Emily Smith, Mur	a Abdul-Nabi, I	Lukas Biel, Me	lissa Elmali, an	d Joseph Mcc	cormick

gingke bileby ALZHEIMER'S DISEASE





what is ginkgo biloba?

Ginkgo biloba is a large tree species, known for its fan shaped leaves. It was first cultivated in ancient China over 1,000 years ago for medical healing². Today, Ginkgo is an herbal supplement commonly used in the United States and Europe for the purpose of cognitive improvement². The involvement of Ginkgo biloba in improving memory function remains a controversial topic in modern medicine².

can ginkgo biloba help my Alzheimer's disease?

Scientists have conducted several studies investigating the role Ginkgo biloba may have in treating dementia, Alzheimer's disease, and other cognitive disorders³. Studies have found no statistically significant improvement of dementia-related symptoms in participants who were administered Ginkgo biloba versus a placebo⁴. Thus, there is no scientific proof to support the role of Ginkgo in preserving memory function⁴.



what are other treatments for Alzheimer's disease?



The most commonly prescribed pharmaceuticals for Alzheimer's disease are cholinesterase inhibitors¹. Results from experimental studies conclude that cholinesterase inhibitors (Donepezil, Galantamine, Rivastigmine) show significant slowing of dementia in cases of mild to moderate Alzheimer's disease¹. Other treatments include Memantine and cognitive stimulation therapy.

1. Birks J. Cholinesterase inhibitors for Alzheimer's disease. Cochrane Database Syst Rev. 2006;2006(1):CD005593. Published 2006 Jan 25.

doi:10.1002/14651858.CD005593
Pairks I Grimley Evans I Ginkgo hiloha for cognitive impairment and dementia. Cochrane Database Syst Rev. 2009:(1):CD003120, Published 2009 Jan 2

2. Birks J, Grimley Evans J. Ginkgo biloba for cognitive impairment and dementia. Cochrane Database Syst Rev. 2009;(1):CD003120. Published 2009 Jan 21. doi:10.1002/14651858.CD003120.pub3

3. Canevelli M, Adali N, Kelaiditi E, et al. Effects of Gingko biloba supplementation in Alzheimer's disease patients receiving cholinesterase inhibitors: data from the ICTUS study. Phytomedicine. 2014;21(6):888-892. doi:10.1016/j.phymed.2014.01.003
4. Singh SK, Srivastav S, Castellani RJ, Plascencia-Villa G, Perry G. Neuroprotective and Antioxidant Effect of Ginkgo biloba Extract Against AD and Other Neurological Disorders. Neurotherapeutics. 2019;16(3):666-674. doi:10.1007/s13311-019-00767-8